

ABSTRACT OF THE DISCLOSURE

SYSTEM WITH REQUIRED ENHANCEMENTS TO SYNCML DM ENVIRONMENT TO SUPPORT FIRMWARE UPDATES

A system for employing SyncML DM for updating firmware in mobile handsets and other devices. The system employs enhancements to SyncML DM specifications. A SyncML management client employs new commands, specified by the present invention, for retrieving update packages for firmware updates, for the verification of a received update package, the command for saving the update package in an appropriate management object, the command for initiating an update process by an update agent and the command for the subsequent notification of the results of processing by the update agent (success, failure, etc.). More specifically, the SyncML DM management client employs new commands, specified by the present invention, for retrieving update packages for firmware updates and for updating the firmware selectively based on appropriateness, security and authentication, employing fault tolerant means.